

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

141. (Twice Amended) An apparatus for processing digital data, comprising:

a receiving part to receive digital data, the received digital data including a plurality of data blocks, each of the data blocks having a header and a scrambled data unit, at least the header in a first data block among the plurality of data blocks including control data, the control data being used for controlling a parameter of a scrambling/descrambling operation and the same control data being used for one or more succeeding scrambled data units;

a descrambler to descramble the first data block and one or more succeeding data blocks among the plurality of data blocks based on the control data included in the first data block, each of the scrambled data units including scrambled digital video data or scrambled digital audio data, wherein the same descrambler is used to descramble both the scrambled digital video data and the scrambled digital audio data; and

a controller, operatively coupled to the descrambler, to control the descrambling operation by the descrambler.

143. (Once Amended) The apparatus of claim 141, wherein the descrambler is configured to descramble each scrambled data unit, except for the header, in each of the plurality of data blocks.

144. (Once Amended) The apparatus of claim 141, wherein the control data is changed or refreshed periodically, and

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wherein the controller is configured to control the descrambler to descramble the one or more
succeeding scrambled data units based on the changed or refreshed control data.

145. (Once Amended) The apparatus of claim 141, wherein at least two of the scrambled data units
and the header including the control data comprise one data group, the header including the control
data, and

wherein the apparatus further comprises:
a demultiplexer to separate the at least two scrambled data units and the header from one data
group before the descrambling.

148. (Once Amended) The apparatus of claim 145, wherein the data group further includes copy
prevention information, the copy prevention information including one of current generation
information and allowable generation information, the current generation information indicating a
number of times the digital data has been copied, and the allowable generation information
indicating a number of permitted copies of the digital data, and

wherein the controller is further configured to control a copy prevention function such that
copying of the digital data is not permitted if the copy prevention information indicates that copying
of the digital data is not permitted.

149. (Once Amended) The apparatus of claim 141, wherein the descrambling of the scrambled
digital units by the descrambler is performed only if the copy prevention information indicates that
the copying of the digital data is permitted.

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150. (Twice Amended) A data storage medium accessible by a digital data processing apparatus including a descrambler, the data storage medium comprising:

a data area for storing digital data therein, the stored digital data including a plurality of data blocks, each of the data blocks having a header and a scrambled data unit, at least the header in a first data block among the plurality of data blocks including control data, one or more of the scrambled data units and the control data being stored on the data storage medium, the control data included in the first data block being used to descramble the first data block and one or more succeeding data blocks among the plurality of data blocks,

wherein the control data is used for controlling a parameter of a descrambling operation performed by the descrambler of the digital data processing apparatus, and the same control data is used for one or more succeeding scrambled data units,

wherein each of the scrambled data units includes scrambled digital video data or scrambled digital audio data stored on the data storage medium, and

wherein both the scrambled digital video data and the scrambled digital audio data are descrambled by the same descrambler.

152. (Once Amended) The data storage medium of claim 150, wherein each scrambled data unit is descrambled while the header is not descrambled, in each of the plurality of data blocks.

153. (Twice Amended) The data storage medium of claim 150, wherein the control data is changed or refreshed periodically, and

wherein the one or more scrambled succeeding data units are descrambled based on the changed or refreshed control data.

154. (Once Amended) The data storage medium of claim 150, wherein at least two packets comprise one data group, at least first packet including one scrambled data unit and the header, the header including the control data.

155. (Once Amended) The data storage medium of claim 150, wherein the one or more scrambled data units and the control data comprise one data group, the data group further including copy prevention information, the copy prevention information including one of current generation information and allowable generation information, the current generation information indicating a number of times the digital data has been copied and the allowable generation information indicating a number of permitted copies of the digital data, and

the copy prevention information being used for a copy prevention function in a reproducing/reproducing/recording apparatus such a manner that copying of the digital data is not permitted if the copy prevention information indicates that the copying of the digital data is not permitted.